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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/749,703	
	Filing Date	December 31, 2003	
	First Named Inventor	Rodney Alan JUE	
	Art Unit	1653	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission	14	Attorney Docket Number	219002031111

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement, 3 pages <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTO-1449, 5 pgs + duplicate 6 References Return Postcard
Remarks CUSTOMER NO. 25225		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	MORRISON & FOERSTER LLP James J. Mullen, III - 44,957
Signature	
Date	July 27, 2004

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Dated: July 27, 2004

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PATENT
Docket No. 219002031111

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Rhea Amid
Rhea Amid

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Rodney Alan JUE et al.

Serial No.: 10/749,703

Filing Date: December 31, 2003

For: VASCULAR ENDOTHELIAL
GROWTH FACTOR DIMERS

Examiner: Not Yet Assigned

Group Art Unit: 1653

INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of documents numbered 87 and 100 are submitted herewith. Also submitted herewith are copies of documents numbered 40, 42, and 99 which were cited in a International Search Report mailed on 18 May 2000 (copy attached) directed to a counterpart international or foreign application. However, copies of the remaining documents cited in the attached Form PTO-1449 were

previously submitted in an Information Disclosure Statement and/or Office Action, directed to the related application Serial Number 09/575,199 filed 18 May 2000, and, accordingly, copies are not included herewith. This protocol conforms with 37 C.F.R. §1.98(d) and M.P.E.P. 609(A)(2). The Examiner is requested to make these documents of record in the application.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of ___ is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly; no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the amount of ___ is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search

has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 219002031111. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: July 27, 2004

Respectfully submitted,

By: 

James J. Mullen, III, Ph.D.

Reg. No. 44,957

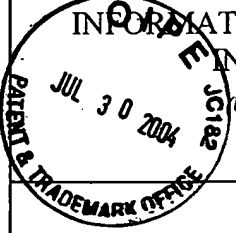
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Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket Number 219002031111	Application Number 10/749,703
	Applicant Rodney Alan JUE et al.	
	Filing Date December 31, 2003	Group Art Unit 1653
	Mailing Date July 27, 2004	

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	06/0965	3,187,748	Mitchell et al.	128	200.23	
	2.	02/1971	3,565,070	Hanson et al.	128	173	
	3.	04/1972	3,658,059	Steil	128	173.R	
	4.	06/1974	3,814,297	Warren	222	420.13	
	5.	07/1974	3,826,413	Warren	222	420.13	
	6.	07/1985	4,527,769	Stogner et al.	251	14	
	7.	06/1986	4,592,348	Water, IV et al.	128	200.23	
	8.	03/1987	4,648,393	Landis et al.	128	200.23	
	9.	07/1987	4,677,975	Edgar et al.	128	200.14	
	10.	12/1988	4,790,305	Zoltan et al.	128	200.23	
	11.	02/1989	4,803,978	Johnson, IV et al.	128	200.23	
	12.	03/1989	4,812,405	Lair et al.	435	255	
	13.	04/1989	4,818,700	Cregg et al.	435	252.33	
	14.	01/1990	4,896,832	Howlett	239	322	
	15.	05/1990	4,926,852	Zoltan et al.	128	200.23	
	16.	07/1990	4,943,529	Van Den Berg et al.	435	172.3	
	17.	08/1990	4,952,496	Studier et al.	435	91	
	18.	02/1991	4,992,901	Keel et al.	360	110	
	19.	03/1993	5,194,596	Tischer et al.	530	399	
	20.	06/1993	5,219,739	Tischer et al.	435	69.4	
	21.	08/1993	5,240,848	Keck et al.	435	240.2	
	22.	09/1993	5,244,460	Unger et al.	604	53	
	23.	07/1994	5,332,671	Ferrara et al.	435	240.1	
	24.	01/1995	5,378,613	Belagaje	435	69.7	
	25.	01/1997	5,595,888	Gray et al.	435	69.51	
	26.	07/1997	5,648,233	Yamaguchi et al.	435	69.1	

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DATE CONSIDERED:

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Form PTO-1449

Docket Number 219002031111

Application Number 10/749,703

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Applicant

Rodney Alan JUE et al.

Filing Date December 31, 2003

Group Art Unit 1653

Mailing Date July 27, 2004

	27.	09/1997	5,665,600	Hagenson et al.	435	320.1	
	28.	12/1997	5,693,489	Studier et al.	435	69.1	
	29.	01/1998	5,705,362	Bonekamp et al.	435	69.8	
	30.	07/1998	5,783,416	Thim et al.	435	69.1	
	31.	07/1998	5,785,965	Pratt et al.	424	93.21	
	32.	08/1999	5,935,820	Hu et al.	435	69.4	
	33.	01/2000	6,013,780	Neufeld et al.	536	23.1	
	34.	11/2002	6,475,796	Pollitt et al.	435	455	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
	35.	11/1989	EP 0 370 989	Europe				
	36.	07/1990	EP B0 484 401	Europe				
	37.	02/1991	WO 91/02058	PCT				
	38.	06/1993	WO 93/12142	PCT				
	39.	03/1996	WO 96/06641	PCT				
	40.	03/1997	WO 97 08313	PCT				
	41.	03/1998	WO 98/10071	PCT				
	42.	04/1998	WO 98/16551	PCT				
	43.	06/1998	WO 98/24811	PCT				

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

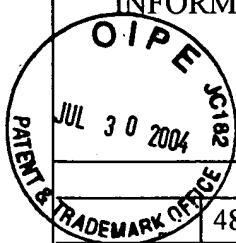
Examiner Initials	Ref. No.	Title
	44.	Achen et al. (1998). <i>PNAS</i> 95:548-553.
	45.	Altschul et al. (1997). <i>Nuc Acids Res</i> 25:3389-3402.
	46.	Anthony (1982). <i>The Biochemistry of Methyloprophs</i> , Dept. Biochem., Univ. of Southampton, Eng. 269.
	47.	Ausubel et al. eds. (1987). <i>Current Protocols in Molecular Biology</i> .

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		Rodney Alan JUE et al.	
		Filing Date December 31, 2003	Group Art Unit 1653
		Mailing Date July <u>17</u> , 2004	
	48.	Beach and Nurse (1981). <i>Nature</i> 290:140.	
	49.	Belagaje et al. (1997). <i>Protein Sci</i> 6(9):1953-62.	
	50.	Ben-Bassatt (1991). <i>Bioprocess Tech</i> 12:147-159.	
	51.	Breier et al. (1992). <i>Development</i> 114:521-532.	
	52.	Christinger et al. (1996). <i>Proteins: Structure, Function, & Genetics</i> 26:353-357.	
	53.	Claffey et al. 1995). <i>Biochimica et Biophysica Acta</i> 1246:1-9.	
	54.	Cohen et al. (1995). <i>J Biol Chem</i> 270:11322-11326.	
	55.	Cohen et al., (1993). <i>Growth Factors</i> 7:131-138.	
	56.	Conn et al. (1990). <i>PNAS USA</i> 87:1323-1327.	
	57.	Connolly et al. (1989). <i>J Biol Chem</i> 264:20017-20024.	
	58.	Connolly et al. (1989). <i>J Clin Invest</i> 84:1470-1478.	
	59.	Cregg et al. (1987). <i>Bio/Technology</i> 5:479-485.	
	60.	Dalboge et al. (1987). <i>Bio/Tech</i> 5:161-164.	
	61.	Dvorak et al. (1991). <i>J Exp Med</i> 174:1275-1278.	
	62.	Ferrara and Henzel (1988). <i>Biochem Biophys Res Comm</i> 161:851-858.	
	63.	Ferrara et al. (1991). <i>J Cell Biochem</i> 47(3):211-218.	
	64.	Fiebich et al. (1993). <i>Eur J Biochem</i> 211:19-26.	
	65.	Fiers et al. (1978). <i>Nature</i> 273:113.	
	66.	Freshney ed. (1987). <i>Animal Cell Culture</i> IRL Press.	
	67.	Gait ed. (1984). <i>Oligonucleotide Synthesis</i> IRL Press.	
	68.	Gitay-Goren et al. (1996). <i>J Biol Chem</i> 271:5519-5523.	
	69.	Goeddel et al. (1979). <i>Nature</i> 281:544.	
	70.	Gospodarowicz et al. (1989). <i>PNAS USA</i> 86:7311-7215.	
	71.	Goto et al. (1993). <i>Lab Invest</i> 69:508-517.	
	72.	Graham et al. (1977). <i>J Gen Virol</i> 36:59.	
	73.	Hinnen et al. (1978). <i>PNAS USA</i> 75:1929-1933.	
	74.	Hitzeman et al. (1980). <i>J Biol Chem</i> 255:2073.	
	75.	Holland et al. (1978). <i>Biochemistry</i> 17:4900.	
	76.	Houck et al. (1991). <i>Mol Endo</i> 5:1806-1814.	
	77.	Houck et al. (1992). <i>J Biol Chem</i> 267:26031-26037.	
	78.	Keck et al. (1989). <i>Science</i> 246:1309-1312.	
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	Applicant Rodney Alan JUE et al.	
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	Mailing Date July <u>27</u> , 2004	

79.	Keck et al. (1997). <i>Arch Biochem Biophys</i> 344:103-113.
80.	Kelly and Hynes (1985). <i>EMBO J</i> 4:475-479.
81.	Kendall and Thomas (1993). <i>PNAS USA</i> 90:10705-10709.
82.	Keyt et al. (1996). <i>J Biol Chem</i> 271:7788-7795.
83.	Kim et al. (1993). <i>Nature</i> 362:841-844.
84.	Kondo et al. (1995). <i>Biochim Biophys Acta</i> 1243:195-202.
85.	Koolwijk et al. (1996). <i>J Cell Biol</i> 132:1177-1188.
86.	Korz et al. (1995). <i>J Bacteriol</i> 39:59-65.
87.	Kruse et al. (1993). <i>EMBO J</i> 12:5121-5129.
88.	Leung et al. (1989). <i>Science</i> 246:1306-1309.
89.	Miller and Calos ed. (1987). "Gene Transfer Vectors for Mammalian Cells" <i>Curr Comm Mol Bio</i> .
90.	Mohanraj et al. (1995). <i>Biochem Biophys Res Comm</i> 215:750-756.
91.	Mohanraj et al. (1995). <i>Growth Factors</i> 12(1):17-27.
92.	Muller et al. <i>PNAS USA</i> 94:7192-7197.
93.	Mullis et al. ed. (1994). <i>PCR: The Polymerase Chain Reaction</i> Birkhauser.
94.	Patel et al. (1999). <i>Human Gene Therapy</i> 10(8)
95.	Pepper et al. (1992). <i>Biochem Biophys Res Comm</i> 189:824-831.
96.	Phillips et al. (1995). <i>In Vivo</i> 8:961-965.
97.	Plate et al. (1992). <i>Nature</i> 359:845-848.
98.	Plouet et al. (1989). <i>EMBO J</i> 8:3801-3806.
99.	Poetgens et al. (1994). <i>J Bio Chem</i> 269(52):32879-32885.
100.	Proudfoot et al. (1996) <i>J Biol Chem</i> 271:2599-2603.
101.	Sambrook et al. <i>Molecular Cloning: A Laboratory Manual</i> 2 nd ed., Sec. 1.82, 16.32-16.37.
102.	Siemeister et al. (1996). <i>Biochem Biophys Res Comm</i> 222:249-255.
103.	Siemeister et al. (1998). <i>J Biol Chem</i> 273:11115-11120.
104.	Soker et al. (1996). <i>J Biol Chem</i> 271:5761-5767.
105.	Soker et al. (1998). <i>Cell</i> 92:735-745.
106.	Tisher et al. (1991). <i>J Biol Chem</i> 266:11947-11954.
107.	Urlaub and Chasin (1980). <i>PNAS USA</i> 77:4216.
108.	Vincenti et al. (1996). <i>Circulation</i> 93:1493-1495.
109.	Wagner and Hynes (1979). <i>J Biol Chem</i> 254:6747-6754.

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